

INTERNATIONAL SEARCH REPORT

Rec'd PCT/PTO

04 MAR 2005

Application No

PCT/EP 03/10029

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B25F5/00 B25D16/00 B23B45/00 F16D7/10 F16D43/208

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B25F B25D B23B F16D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 1 095 067 A (METS OWERKE KG CLOSS RAUCH & S) 13 December 1967 (1967-12-13)	1-7, 9-12, 20-23, 33-40
Y	page 2, column 2, line 115 -page 3, column 1, line 57; figure 2	27-32, 46,47
Y	EP 1 157 791 A (BLACK & DECKER INC) 28 November 2001 (2001-11-28) paragraphs '0013!', '0043!	27-29, 43-45
Y	DE 43 00 021 A (BOSCH GMBH ROBERT) 7 July 1994 (1994-07-07) column 2, line 2 - line 62; claim 1; figures 1,2	30-32, 46,47
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *P* document published prior to the international filing date but later than the priority date claimed

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

S document member of the same patent family

Date of the actual completion of the international search

19 December 2003

Date of mailing of the international search report

05/01/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 346 023 A (TAKAGI TOSHIKI ET AL) 13 September 1994 (1994-09-13)	1-14, 23, 24, 41, 42, 50, 56-58
Y	column 5, line 27 -column 6, line 47; figures 1,2	25, 26, 43-47, 49, 51-55
X	US 4 776 406 A (WANNER KARL) 11 October 1988 (1988-10-11) column 2, line 64 -column 3, line 6	12-20
Y	US 3 559 784 A (MILLER DONALD L) 2 February 1971 (1971-02-02) column 1, line 1 - line 55; claim 1 column 3, line 20 - line 33; figure 1	25, 26, 49, 51-55

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Information on patent family members

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